

KAKHANA, M.S.

Effect of the cerebral cortex on ovarian function. *Fiziol.zhur.*  
[Ukr.] 2 no.1:26-30 Ja-F '56. (MLRA 10:1)  
(CEREBRAL CORTEX) (OVARIES--INNERVATION)

KAKHANA, M.S. (Kishinev)

Effects of higher nervous activity collapse on the weight and structure of the thyroid gland. Probl.endokr. i gorm. 2 no.2:63-66 Mr-Apr '56.

(MLRA 9:10)

1. Iz kafedry fiziologii cheloveka i shivotnykh (zav. - prof. I.M. Vul) Kishinevskogo universiteta.

(THYROID GLAND, physiol.

weight & structure, eff. of conditioned reflex)

(REFLEX, CONDITIONED, eff.

eff. on weight & structure of thyroid gland)

KAKHANA, M.S.

[Glands of internal secretion] Zhelasy vnutrennei sekretsii; nauchno-populiarnyi ocherk. Kishinev, Gos. izd-vo Moldavii, 1957. 65 p.  
(ENDOCRINE GLANDS) (MIRA 10:11)

*KAKHANA, T.B.*

KAKHANA, M.S.; KAKHANA, T.B. (Kishinev)

Pathogenesis and treatment of anorexia and siticophobia in psychiatric patients. Zhur.nevr. i psikh. Supplement:91 '57. (MIRA 11:1)  
(PSYCHOSIS)

KAKHANA, M.S., dots., KAKHANA, A.M. (Kishinev)

Role of nerve factors in the pathogenesis of spasmodophilia. Sov.med.  
22 no.6:52-55 Je '58 (MIRA 11:9)  
(SPASMOPHILIA, etiol., & pathogen.  
role of NS disord. (Rus))  
(NERVOUS SYSTEM, dis.  
causing spasmodophilia (Rus))

KAKHANA, M.S.

Effect of a lesion of the hypothalamus on the amount of blood  
sugar and liver glycogen in white rats. Fiziol. zhur. Ukr.  
4 no.5:701-702 S-O '58 (MIRA 11:11)

1. Kishinevskiy gosudarstvennyy universitet, kafedra fiziologii  
cheloveka i zhivotnykh.  
(HYPOTHALAMUS)  
(BLOOD SUGAR)  
(LIVER—GLYCOGENIC FUNCTION)

KAKHANA, M.S.

Effect of changes in the higher nervous activity on the formation  
and secretion of the thyrotropic hormone. Uch. zap. Kish. un. 39:  
13-22 '59. (MIRA 14:9)

1. Iz kafedry fiziologii cheloveka i zhivotnykh Kishinevskogo  
gosuniversiteta. (PITUITARY BODY) (BRAIN)

KAKHANA, M.S.

Effect of repeated defense reactions on the function of the thyroid gland in rabbits with experimental thyroiditis. Uzh. zap. Kish. un. 39:23-28 '59. (MIRA 14:9)

1. Iz kafedry fiziologii cheloveka i zhiivotnykh Kishinevskogo gosuniversiteta.

(THYROID GLAND--DISEASES)



KAKHANA, M.S.; SHOYMER, A., red.; MILYAN, N., tekhn.red.

[Cortical and visceral regulation of the functions of the  
thyroid gland] Kortiko-vistseral'naia regulatsiia funktsii  
shchitovidnoi zhelezy. Kishinev, Gos.isd-vo "Kartia Moldovenianke,"  
1960. 236 p. (MIRA 14:2)  
(THYROID GLAND) (CEREBRAL CORTEX)

KAKHANA, M. S. Doc Med Sci -- "Study of corticovisceral mechanisms regulating the functions of the thyroid gland." Len, 1960 (Acad Sci USSR, Inst of Physiology in I. P. Pavlov). (KL, 1-61, 204)

-340-

KAKHANA, M.S.; KAKHANA, T.B.

Mechanism of the galactogenic activity of aminazine in mental patients.  
Zhur.nevr.i psikh 60 no.8:1019-1023 '60. (MIRA 13:9)

1. Respublikanskaya psikhonevrologicheskaya bol'nitsa MSSR (glavnyy  
vrach B.A.Morozov) i kafedra fiziologii cheloveka i zhivotnykh  
(zav. M.S. Kakhana) Kishinevskogo gosudarstvennogo universiteta.  
(LACTATION) (CHLORPROMAZINE)  
(MENTAL ILLNESS)

KAKHANA, M. S., Dr. Med. Sci., — (diss) "Study of the cortico-visceral mechanisms regulating the functions of the thyroid gland," Moscow, 1961, 23 pp, (Central Institute for the Advanced Training of Physicians), 300 copies (KL-Supp 9-61, 187)

KAKHANA, Mares Samoylovich; SHCHETININA, Ye., red.; SHEKHTEH, D.,  
tekhn. red.

[Pathophysiology of the hypothalamus; hypothalamus--endocrine  
syndromes] Patofiziologiya gipotalamisa; gipotalamo-  
endokrinnye sindromy. Kishinev, Kartia moldoveniaske, 1961.  
258 p. (MIRA 15:9)

(HYPOTHALAMUS--DISEASES)

KAKHANA, M.S.; KAKHANA, A.M.

Pathogenesis of hypothalamic adiposis. Sov. med. 25 no. 9:72-75  
S '61. (MIRA 15:1)

1. Iz kafedry fiziologii cheloveka i zhivotnykh (zav. M.S.Kakhana)  
Kishinevskogo universiteta,  
(HYPOTHALAMUS) (CORPULENCE)

KAKHANA, M.S., prof.; SHCHETININA, Ye., red.

[Hypothalamic syndromes] Gipotalamicheskie sindromy. Kishinev, Karta moldoveniaske, 1965. 215 p.  
(MIRA 18:4)

*KAKHANA, T. B.*

KAKHANA, M.S.; KAKHANA, T.B. (Kishinev)

Pathogenesis and treatment of anorexia and siticophobia in psychiatric patients. Zhur.nevr. i psikh. Supplement:91 '57. (MIRA 11:1)  
(PSYCHOSIS)



KAKHANA, M.S.; KAKHANA, T.B.

Mechanism of the galactogenic activity of aminazine in mental patients.  
Zhur.nevr.i psikh 60 no.8:1019-1023 '60. (MIRA 13:9)

1. Respublikanskaya psikhonevrologicheskaya bol'nitsa MSSR (glavnyy  
vrach B.A.Morozov) i kafedra fiziologii cheloveka i zhivotnykh  
(zav. M.S. Kakhana) Kishinevskogo gosudarstvennogo universiteta.  
(LACTATION) (CHLORPROMAZINE)  
(MENTAL ILLNESS)

MAKOVSKIY, Veniamin L'vovich, doktor tekhn.nauk; KAKHANGOV, Georgiy Semenovich, inzh.; LYASHENKO, Dmitriy Nikolayevich, inzh.; ANTONOV, P.L., inzh., red.; SOROKIN, N.N., inzh., red.; KHITROV, P.A., tekhn.red.

[Tunnel and subway construction abroad] Soorusheniya tunneli i metropolitenov za rubezhom. Moskva, Gos. transp. shel-dor. izd-vo 1957. 147 p. (Babushkin, Vsesoiuznyi nauchno-issledovatel'skii institut transportnogo stroitel'stva, Trudy, no.26) (MIRA 11:6)  
(Tunnels) (Subways)

KAKHANOV, V.G.; KOMAROV, V.D.

Electric circuit for control by induction braking during the  
testing of automobile units. Avt. prom. 30 no.11s16-17 N 964  
(MIRA 18s2)

1. Moskovskiy avtozavod imeni Ikhacheva.

BUGROVA, E.M.; KAKHANOVA, L.P.; KONDITEROV, V.N.; TOLSTIKOVA, N.V.; TRAVINA,  
T.F.

Conditions governing the sedimentation in Badkhyz in the Paleogene.  
Trudy VSEGEI 109:238-263 '63. (MIRA 17:7)

KAKHANOVA, L. T.

KAKHANOVA, L. T.

New data on the composition of the Alai series in the Tajik  
Depression and the Gissar-Zeravshan Ranges. Vest. LNU 12 no. 6:  
51-62 '57. (MLRA 10:5)

(Tajik Depression--Geology, Stratigraphic)  
(Gissar Range--Geology, Stratigraphic)  
(Zeravshan Range--Geology, Stratigraphic)

KAKHANOVA, L. P., Cand Geolog-Mineralog Sci (diss) -- "The stratigraphy and bivalve molluscs of the Alay stratum of the Tadzhik depression and certain adjacent regions". Leningrad, 1959. 23 pp (Leningrad Order of Lenin State U im A. A. Zhdanov, Geol Museum Acad Sci USSR im A. P. Karpinskiy), 200 copies (KL, No 9, 1960, 123)

KAKHANOVA, L.P.

Age of the Alay series of Paleogene deposits in Central Asia.  
Geol.sbor. [Lvov] no.7/8:299-310 '61. (MIRA 14:12)

1. Geologicheskii muzey AN SSSR imeni A.P. Karpinskogo,  
Leningrad i Gosudarstvennyi universitet imeni A.A. Zhdanova.  
(Soviet Central Asia--Paleontology, Stratigraphic)

BURMAKIN, A.V.; KAKHANOVA, L.P.; STARSHININ, D.A.

Paleogene of the Karategin Range. Dokl. AN SSSR 140 no.5:1141-1143  
O '61. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut  
i Upravleniye geologii i okhrany neдр pri Sovete Ministrov  
Tadzhikskoy SSR. Predstavleno akademikom D.V.Kalivkinyam.  
(Karategin Range—Geology, Stratigraphic)



KAKHANOVA, L.P.; SOBOLEVA, R.P.

First find of a Late Paleocene normal marine mollusk  
fauna in the southwestern part of the Kyzyl Kum.  
Dokl. AN SSSR 147 no.1:184-187 N '62. (MIRA 15:11)

1. Predstavleno akademikom D.V. Nalivkinym.  
(Kyzyl Kum--Mollusks, Fossil)

ARKHANGEL'SKAYA, I.M.; BRONSHTEYN, T.Ya.; KAKHANOVA, L.P.

Allay layers of the Trans-Alay and Alay Ranges. Trudy VNIGRI  
no.190:398-411 '62. (MIRA 16:1)

(Alay Range—Geology, Stratigraphic)  
(Trans-Alay-Range—Geology, Stratigraphic)

KAKHANOVA, L.P.

Paleogeography of the Tajik Depression and its margins in the  
Alay time. Uch.zap. LGU no.310:180-200 '62. (MIRA 16:11)

KAKHANOVA, I.P.; MIRONOVA, L.V.

Faunal characteristics of the Alay and Turkentian layers in Fergana.  
Trudy VSEGEI 102:192-202 '64. (MIRA 18:2)

KAKHNOVICH, L.V.; KHODORENKO, L.A.

Methods of sampling and chlorophyll content computation.  
Fiziol. rast. 11 no.5:933-936 S-O '64.

(MIRA 17:10)

1. Belorusskiy gosudarstvennyy universitet, Minsk.

KAKHANOVICH, Mikhail Vasilyevich (Crimea<sup>n</sup> State Medical Institute), for  
Doctor ~~of Medical Sciences~~ on the basis of the dissertation defended  
5 May 1958 in the Council of the 2nd Moscow State Medical Institute  
im. Pirogov, entitled: "Contributions<sup>On</sup> to the Study of the<sup>374</sup> Mechanism of  
Action and Therapeutical Effectiveness of the ~~Med. from the Lake and~~  
in the Cure of Patients ~~with Rheumatism~~<sup>Treatment</sup>". (BMVISHO USSR, 2-61, 19)

90  
29

KAKHANOVIKH, T. M.

✓ Replacing grip with sand in a body for facing material  
M. R. Popov, I. M. Kakhavich, and A. I. Kakhavich  
Soviet Journal of Appl. Math. Mech. 1964, No. 5, 76-77, 78 (1964)  
Moscow State University 1964, No. 5, 76-77, 78 (1964)  
Moscow State University 1964, No. 5, 76-77, 78 (1964)  
Moscow State University 1964, No. 5, 76-77, 78 (1964)  
Moscow State University 1964, No. 5, 76-77, 78 (1964)

2

KAKHANOVICH, T.M.; RYBNIKOV, G.S., inzh.

Operation of electric filters in gypsum plants. Stroil. mat. 5  
no.6:28-30 Ja '59. (MIRA 12:8)  
(Gypsum) (Filters and filtration)



BURTSEV, V.M.; KAKHANCVICH, T.M.; KUBASSKIY, S.I.; LAPSHIN, P.V.;  
REYZNER, Yu.B., nauchnyy red.; TYUTYUNIK, M.S., red. izd-  
va; MOCHALINA, Z.S., tekhn. red.

[Automation of the grinding and calcination of gypsum] Opyt  
avtomatizatsii pomola i varki gipsa. Moskva, Gosstroiizdat,  
1962. 59 p. (MIRA 15:7)

(Gypsum)

KAKHANOVICH, T.M.; KUBASSKIY, S I., inzh., glav. red.; ANTONOVA,  
N.N., inzh., red.

[Completely prefabricated bathrooms; practices of the  
Danilov Plant of the Main Administration for Industrial  
Building Materials in the City of Moscow] Proizvodstvo  
sanitarno-tekhnicheskikh kabin polnoi zavodskoi gotov-  
nosti; opyt Danilovskogo zavoda Glavmospromstroimaterialov.  
Moskva, Gosstroizdat, 1963. 28 p. (MIRA 17:5)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-  
issledovatel'skiy institut organizatsii, mekhanizatsii i  
tekhnicheskoy pomoshchi stroitel'stvu. 2. Direktor  
Danilovskogo alebastrovogo zavoda Glavnogo upravleniya pro-  
myshlennosti stroitel'nykh materialov i stroitel'nykh de-  
taley (for Kakhanovich). 3. Danilovskiy alebastrovyy zavod  
Glavnogo upravleniya promyshlennosti stroitel'nykh mate-  
rialov i stroitel'nykh detaley (for Kubasskiy).

AKHUNDOV, E.B.; KAKHANOVICH, V.S.

Problem of the direct measurement of relative increments  
in power installations. Trudy Inst.energ. AN BSSR no.10:  
81-97 '59. (MIRA 13:6)  
(Electric power production)

AKHUNDOV, E.B. kand.tekhn.nauk; KAKHANOVICH, V.S. inzh.  
APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619930001-2"

Measuring the relative increase of power installations. Elek.  
sta. 31 no.2:38-41 F '60. (MIRA 13:5)  
(Power engineering)

28915

S/170/61/004/011/018/020  
B108/B138

24.5200

AUTHOR: Kakhanovich, V. S.

TITLE: A method of measuring the heat consumption with corrections for certain parameters

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 4, no. 11, 1961, 125-128

TEXT: The parameters of a heat transfer circuit are often subjected to fluctuations which are not usually considered in heat consumption calculations. The author suggests a new equation for the heat transfer by a heat transfer agent

$$Q = k_2 \alpha k_t G_0 i \sqrt{\gamma} \text{ where } k_2 = \frac{1}{\alpha_0 \epsilon_0 k_{t_0} \sqrt{\gamma_0}}$$

$i$  is heat content,  $\alpha_0$ ,  $\epsilon_0$ ,  $k_{t_0}$ , are the consumption coefficient, a correction factor for expansion, and a correction factor for the expansion of the equipment, respectively, all referred to the temperature  $t_0$  and pressure  $p_0$ .  $G_0$  is the measured heat transfer agent consumption without a

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S/170/61/004/D11/018/020

B108/B138

A method of measuring the heat...

correction.  $\gamma$  denotes the specific weight of the agent. The above equation accounts for the temperature and pressure-dependent parameters. A method is described for measuring heat consumption with automatic correction for all parameters dependent on pressure and temperature of the agent. For this purpose, the pressure and temperature-dependent quantities  $\gamma$ ,  $i$ , and  $\alpha$  are rendered empirically by the product of one pressure-dependent, one temperature-dependent, and one constant factor. In this way, heat content assumes the form  $i \approx i_{t_0 p_0} i_{p_0 t} / i_0$ . The remaining two quantities are

analogous. With these, the above heat delivery equation becomes

$$Q \approx \frac{\alpha_{t_0 p} \alpha_{p_0 t} \epsilon k_t G_0 i_{t_0 p} i_{p_0 t} \sqrt{\gamma_{t_0 p} \gamma_{p_0 t}}}{\alpha_0^2 \epsilon_0 k_0 \gamma_0 i_0} . \quad \text{This equation may be simplified in}$$

view of the fact that the fluctuations of the heat-transfer parameters are rather small. For instance, one may substitute

$$\alpha_{t_0 p} \epsilon i_{t_0 p} \sqrt{\gamma_{t_0 p}} \approx k_8 + k_9 p \quad \text{and} \quad \alpha_{p_0 t} \epsilon i_{p_0 t} \sqrt{\gamma_{p_0 t}} \approx 1 / (k_{10} + k_{11} t) . \quad \text{The } k\text{'s are}$$

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A method of measuring the heat...

S/170/61/004/011/018/020  
B108/B138

constant coefficients. A simple electrical circuit is used to record the dependence according to this kind of simplified equation. Only three detecting elements are needed: one for the consumption of the heat transfer agent, one for pressure, and one for temperature. There are 2 Soviet references.

ASSOCIATION: Institut energetiki AN BSSR, g. Minsk (Power Engineering Institute AS BSSR, Minsk)

SUBMITTED: April 4, 1961

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Card 3/3

NOVASH, V.I., kand.tekhn.nauk, dotsent; KAVTSEVICH, Ye.N., inzh.;  
KAKHANOVICH, V.S., inzh.; KRAS'KO, A.S., inzh.; CHERVINSKIY,  
L.L., inzh.

Conditions for the establishment of synchronous operation in  
sections of an electric power system in the presence of non-  
synchronous automatic reclosing. Izv. vys. ucheb. zav.; energ.  
5 no.2:5-11 F '62. (MIRA 15:3)

1. Belorusskiy politekhnicheskiy institut. Predstavlena kafedroy  
elektricheskikh stantsiy.  
(Electric power distribution)

KAKHANOVICH, V.S., inzh.

Direct measurement of the efficiency of electric power systems.  
Izv. vys. ucheb. zav.; energ. 6 no.11:12-21 N<sup>o</sup>63. (MIRA 17:2)

1. Institut matematiki i vychislitel'noy tekhniki AN BSSR.



KAKHAROV, A.

Prospects for the development of the Tajik economy. Vop.ekon.  
no.1:89-93 Ja '59. (MIRA 12:1)

1. Predsedatel' Gosplana Tadzhikskoy SSR.  
(Tajikistan--Economic policy)

KAKHAROV, A.

Relationship of the perineural spaces of Auerbach's plexus to the lymphatic system of the small intestine. Zdrav.Tadsh. 9 no.3:63-65 (MIRA 15:8)  
My-Je '62.

1. Iz kafedry anatomii cheloveka 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova i laboratorii funktsional'noy anatomii AMN SSSR (zav. kafedroy i laboratoriyey - chlen-korrespondent AMN SSSR prof. D.A.Zhdanov).  
(LYMPHATICS) (INTESTINES--INNERVATION)

KISELEV, T.; DIORDITSA, A.; TYNURIS, E.; CHOGOVADZE, G.; BEGMATOVA, S.; GAPUROV, M.; KAKHAROV, A.

The entire country participates in foreign trade. Vnesh. torg. 43 no.12: 6-12 '63. (MIRA 17:2)

1. Predsedatel' Soveta Ministrov Belorusskoy SSR (for Kiselev).
2. Predsedatel' Soveta Ministrov Moldavskoy SSR (for Diorditsa).
3. Zamestitel' Predsedatelya Soveta Ministrov Estonskoy SSR (for Tynuris).
4. Zamestitel' Predsedatelya Soveta Ministrov Gruzinskoy SSR (for Chogovadze).
5. Zamestitel' Predsedatelya Soveta Ministrov Kirgizskoy SSR (for Begmatova).
6. Predsedatel' Soveta Ministrov Turkmenskoy SSR (for Gapurov).
7. Predsedatel' Soveta Ministrov Tadzhikskoy SSR (for Kakharov).

USSR/Technical Crops. Oil Plants. Sugar Plants. M

Abs Jour: Ref Zhur-Diol., No 17, 1958, 77750.

Author : Kakharov, A.K.

Inst :

Title : On the Development of Cotton Growing in the Tadzhik SSR.

Orig Pub: V sb.: Materialy Ob'yedin. nauchn. sessii po khlopkovodstvu. T.I. Tashkent, Gosizdat. UzSSR, 1958, 79-86.

Abstract: No abstract.

Card : 1/1

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APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619930001-2"

KAKHAROV, Abdulakhad Kakharovich; PROKHOROV, Olegory Nikolayevich;  
UL'YANOVSKIY, R.A., otv.red.; GARMSEN, O.M., red.lzd-va;  
HEGRIMOVSKAYA, R.A., tekhn.red.

[Friendly aid and mutually beneficial collaboration; economic relations of the U.S.S.R. with industrially underdeveloped countries of the East] Druzheskaya pomoshch' i vzaimovyygodnoe sotrudnichestvo; ekonomicheskie svyazi SSSR s pronyashlenno slabo razvitymi stranami Vostoka. Moskva, Izd-vo vostochnoi lit-ry, 1959. 80 p. (MIRA 13:2)

(Economic assistance)

KAKHAROV, Abdulakhad; MALIKOVA, L.A., red.; TOKER, A.M., tekhn. red.

[The Tajik S.S.R.; a story about the seven-year plan] Tadzhik-  
skaia SSR; rasskaz o semiletke. Moskva, Proftekhizdat, 1961.  
91 p. (MIRA 16:4)

(Tajikistan--Economic policy)

KAKHAROV, Abdulakhad Kakharovich

[The river flows only forward; a travelogue] Roka  
techet tol'ko vpered; putevye zametki. Dushanbe,  
Tadzhikskoe gos. izd-vo, 1963. 228 p.  
(MIRA 19:1)

ABDURASULEVA, A.R.; ALIYEV, N.X.; KAKHAROV, A.T.; YULDASHEV, A.

Alkylation of cresols with cyclohexanol and cyclopentanol.  
Zhur.org.khim. 1 no.3:517-521 Mr '65.

(MIRA 18:4)

1. Tashkentskiy gosudarstvennyy universitet im. V.I.Lenina.

L 31008-66 EWT(m)/EMP(t) IJP(c) JD/JG  
ACCESSION NR: AP6008550 SOURCE CODE: UR/0166/66/000/001/0065/0068

AUTHOR: Kakharov, O.; Shuppe, G. N.

ORG: Tashkent State University im. V. I. Lenin (Tashkentskiy gosuniversitet);  
Bukhara Pedagogic Institute (Bukharaskiy pedinstitut)

TITLE: Determination of the heat of adsorption of cesium on filamentary tungsten depending on the method of filament treatment

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 1, 1966, 65-68

TOPIC TAGS: cesium, tungsten, adsorption

ABSTRACT: The problem investigated was the behavior of cesium on tungsten. For this purpose, a study was made in a sealed device placed in a thermostat, in which various vapor pressures of cesium could be created, corresponding to a temperature range from -180 to +100C. All the basic inputs of the device were fitted into glass tubes, which were heated by small heaters on the outside to prevent the precipitation of layers of cesium near the inputs on the inner surface of the glass and the appearance of conductivity between the inputs. The vacuum in the device with a frozen source of cesium was of the order of  $10^{-9}$  mm Hg. The Card 1/2



L 31008-66

ACCESSION NR: AP6008550

following conclusions were reached. 1) The absence of a sufficiently satisfactory theory made it impossible to compare the results obtained with the corresponding theoretical calculations. 2) As in the case of thorium, with cesium on tungsten the curves  $I(\theta)$  (the dependence of the thermoelectron emission current  $I$  on the underlayer  $\theta$ ) are monotonic at temperatures which assure the formation of the single layer. The work function of the cathodes Th-W (3.4 eV) and Cs-W (1.8 eV) is no lower at the most optimal covering of the work functions of thorium and cesium. 3) The presence of "humps" on the  $I(\theta)$  curves is related to the traces of oxygen, either in the space of the device, on the surface of the cathode, or in the source. 4) The average heat of adsorption of cesium on tungsten wires with coverings lower than "optimal" is  $(2.1 \pm 0.1)$  eV after treatment of the filament with a-c and  $(2.7 \pm 0.1)$  eV after treatment with d-c. Orig. art. has: 5 figures. [08]

SUB CODE: 07 / SUBM DATE: 26Feb65 / ORIG REF: 004 / OTH REF: 002 / ATD PRESS: 4239

Card 2/2

KAKHAROV, O.; SHUPPE, G.N.

Determining the heat of adsorption of thorium on tungsten  
filaments as related to the method of filament processing.  
Dokl. AN Uz. SSR 21 no. 11:24-26 '64. (MIRA 18:12)

1. Tashkentskiy gosudarstvennyy universitet imeni Lenina.  
Submitted August 4, 1964.

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CIA-RDP86-00513R000619930001-2

AUTHOR:

Karharov, O. K.

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CIA-RDP86-00513R000619930001-2"

MURASHEV, V., shofer (Khabarovskiy kray); KAKHELASHVILI, M., shofer (g.Tbilisi);  
SERGIYENKO, A., shofer (g.Gorlovka); NEKLYAYEV, B., avtomekhanik  
(g.Kaunas)

Continuing the discussion on the perfect organization of work.  
Avt.transp. 39 no.12:9-10 D '61. (MIRA 15:1)  
(Transportation, Automotive)

105-52-3 20 31

AUTHOR: Kakhel'nik, A. M. Engineer

TITLE: Application of Rectifier Type Electrical Locomotives  
(Primeneniye vypryamitel'nykh elektrovozov)

PERIODICAL: Elektrichestvo 1958 Nr 3, pp. 73 - 76 (USSR)

ABSTRACT: In this paper a general survey on the development of the production of electrical locomotives in all countries is given. The development in the USSR has taken the following course during the last twenty years: The first electrical locomotive of the type OR-22-01 was built by the "Dinamo" works in collaboration with the steam locomotive works in Kolomna in October 1938, which operated with single phase d.c. and with a twelve anode mercury-arc rectifier of the type KV-20. The Pent Transport Administration of the hydro-electric power station Shatura at the Ministry for Electric Power Stations of the USSR electrified the 10 km section Bakshayevo-Lidino (Bakshayevo is situated 150 km east of Moscow, total line length 40 km. Remark by the reviewer).

Card 1/3



105-58 3/8-20/31

Application of Rectifier Type Electrical Locomotives

main line electrical locomotive for single phase current with industrial frequency and ignitron rectifiers of the series N60 was completed. This electrical locomotive has the axle sequence  $3_0 - 3_0$ , a power of 4000 kW with 6 pole traction motors, and represents one of the best locomotives in the world. There are 1 table and 35 references, 18 of which are Soviet.

SUBMITTED: October 15. 1957

Card 3/3

KAKHETELIDZE, M. G.

"Experimental Pathological Investigation of the Hemopoietic Factor of the Stomach by a New Method Medical Stomatological Inst, Moscow, 1953. (RZhBiol, No 3, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

KAKHATELIDZE, M.G.; VLADOS, Kh.Kh.(deceased); TERENT'YEVA, E.I.; and CHERNYSOVA, T.A.

"New USSR Liver Preparation Antianemin," Sov Prob Gematol. i Pereliv. Krovi, No 30,  
pp 269-74, 1953

Summary W-31279, 13 May 55

VIADOS, Kh.Kh. (Moscow); TEREHT'YEVA, E.I. (Moscow); KAKHETELIDZE, M.G.  
(Moscow); CHERNTSOVA, T.A. (Moscow).

Antianemin, a new liver preparation. Klin. med. 31 no.11:40-44 N '53.  
(MLRA 6:12)

1. Iz Tsentral'nogo ordena Lenina instituta genatologii i perelivaniya  
krovi (direktor - chlen-korrespondent Akademii meditsinskikh nauk SSSR  
professor A.A.Bagdasaryan).

(Liver extract) (Anemia)

FEDOROV, N.A., professor; DUL'TSIN, M.S., professor; RAMONOV, TSKHOVRENOVA,  
O.D.; NAMYATYSHEVA, A.M.; KAKHTELIDZE, M.G.; ROZANOVA, N.S.

Effect of spleen extracts from leukosis patients on hemopoiesis in  
rabbits; preliminary report. Problemat. i perel. krovi 1 no.3:  
9-14 My-Je '56. (MLRA 10:1)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya  
krovi (dir. - chlen-korrespondent AMN SSSR prof. A.A.Nagdasarov)  
Ministerstva zdavookhraneniya SSSR.

(HEMOPOIESIS, physiol.

eff. of spleen extracts from leukosis patients on hemopoiesis  
in rabbits)

(SPLEEN

extracts from leukosis patients, eff. on hemopoiesis in  
rabbits)

(LEUKEMIA

leukosis, spleen extracts from patients, eff. on  
hemopoiesis in rabbits)

KAKHETELIDZE, M. G. and TEREITYEVA, E. I.

"Effect of Acetylcholine and Adrenalin on the Blood Producing Cells of Bone Marrow in Tissue Culture," by E. I. Terentyeva and M. G. Kakhetelidze, Cytological Laboratory (Consultant, G. K. Khrushchev, Corresponding Member, Academy of Sciences USSR) of the Central Order of Lenin Institute of Hematology and Blood Transfusion [director, A. A. Bagdasarov, Corresponding Member, Academy of Medical Sciences USSR], Ministry of Health USSR, Moscow, Byulleten' Eksperimental'noy Biologii i Meditsiny, Medgiz, Moscow, Vol 42, No 12, Dec 56, pp 60-64

On the basis of experiments conducted on cats it was established that acetylcholine and adrenalin when added to bone marrow in tissue culture have a pronounced effect on the biological properties of the blood producing cells of bone marrow.

Acetylcholine in dilutions of  $1:5 \cdot 10^{-6}$  to  $1:5 \cdot 10^{-7}$  has a stimulating effect on the viability of bone marrow cells in tissue culture. It has a favorable effect on the development of the young cells, and in addition considerably diminishes the degenerative changes in cell elements.

Adrenalin in dilutions of  $1:5 \cdot 10^{-6}$  to  $1:10 \cdot 10^{-8}$  generally has an unfavorable effect on the bone marrow cells and intensifies the degenerative processes in the blood producing cells in cultures. At the same time considerable activation of the formation of polyblasts and macrophages takes place in the adrenalin cultures.

"The data obtained in the experiments may be utilized also for the investigation of the problem of chemical mediators in the transmission of nervous impulses."

Three tables indicating the effect of acetylcholine and adrenalin on the blood producing cells of bone marrow and a bibliography are provided.

Sum 1258

USSR / General Problems of Pathology. Tumors. General U  
Problems.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102508.

Author : Kakhetelidze, M. G.; Ramonova-Tskhovrebova, O. D.;  
Rozanova, N. S.

Inst : Not given.

Title : On the Influence of Repeated Transfusion of Blood  
from Patients With Acute Leucosis on Blood Produc-  
tion in Rabbits.

Orig Pub: Patol. fiziologiya i eksperim. terapiya, 1957, I,  
No 3, 48-51.

Abstract: Repeated introduction to 3 rabbits of plasma of  
patients with acute leucosis (PAL; 17, 37 and 52  
ml) induced in them, 44-45 days after the 1st in-  
roduction, a sharp decrease of Hb, number of ery-  
throcytes and leucocytes; disappearance of mature

Card 1/3

*Pathophysiol Lab, Cent Inst Hematology & Blood Transfusion  
Moscow*



USSR / General Problems of Pathology. Tumors. General U  
Problems.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102508.

Abstract: pseudoeosinophiles; appearance of young immature forms of pseudoeosinophiles; increase of the absolute number of monocytoid cells and decrease of the number of lymphocytes; and anisocytosis, polychromasis and appearance of erythronormoblasts (10-15 per 200 leucocytes). The animals perished in the course of 2 months with manifestations of anemia and leucopenia. In the bone marrow, at the beginning of experiment, its rejuvenation was observed, and several days before an animal's death only degenerative cells were discovered. In histologic examination of the liver, spleen, kidneys, lungs, etc., foci of blood formation were discovered. In repeated introduction of plasma of healthy indi-

Card 2/3

54

USSR / General Problems of Pathology, Tumors, General U  
Problems.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102508.

Abstract: viduals to 2 rabbits in the course of 3 months  
there were no observations of expressed changes.  
Introduction of erythrocytes of PAL did not induce  
in 3 rabbits in the course of 10 mo. any essential  
changes of blood production. Apparently, in the  
plasma of PAL there are toxic substances which in-  
duce toxicosis and inhibition of blood formation  
of bone marrow. -- R. P. Zolotnitskaya.

Card 3/3

CHERNYSOVA, T.A.; KAKHTELIDZE, M.G.

Hemopoietic factor content in the gastric juice and saliva in macro- and megaloblastic types of hemopoiesis. Probl.gemat. i perel.krovi 4 no.4:29-31 Ap '59. (MIRA 12:6)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deyatel'nyy chlen AMN SSSR prof.A.A.Bagdasarov) Ministerstva zdorookhraneniya SSSR.

(ANEMIA, HYPERCHROMIC, physiol.

hemopoietic eff. of gastric juice & saliva from anemic patients (Rus))

(ANEMIA, PERNICIOUS, physiol.

same)

(GASTRIC JUICE,

hemopoietic eff. of gastric juice from patients with pernicious & hyperchromic anemias (Rus))

(SALIVA,

hemopoietic eff. of saliva from patients with pernicious & hyperchromic anemias (Rus))

KAKHETELIDZE, M.G.; ROGACHEVA, L.S.

Study of the erythropoietic factor of the stomach and blood  
in acute radiation sickness. Probl. gemat. i perel. krovi 4  
no. 10:14-19 0 '59. (MIRA 13:8)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i  
perelivaniya krovi (dir. - deystvitel'nyy AMN SSSR prof.  
A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR.  
(ERYTHROCYETS) (RADIATION SICKNESS) (GASTRIC JUICE)

FEDOROV, N.A.; NAMYATISHEVA, A.M.; KAKHETELIDZE, M.G.; ROZANICVA, N.S.;  
ZHIZHINA, N.A.

Humoral mechanisms of hemopoietic changes in acute radiation  
sickness. Probl. gemat. i perel. krovi 5 no. 4:13-19 Ap '60.

(MIRA 14:1)

(RADIATION SICKNESS) (HEMATOPOIETIC SYSTEM)

FEDOROVA, N.A.; KAKHETELIDZE, M.G.; KORYAKINA, I.K.

Site of formation of hemopoietic substances. Probl. gemat. i perel.  
krovi. 5 no. 11:17-21 '60. (MIRA 14:1)

(HEMATOPOIETIC SYSTEM)

KAKHETELIDZE, M.G.; FEDOROV, N.A. (Mokhva)

On the hemopoietic factor of the stomach. Pat.fiziol.i eksp.  
terap. 5 no.1:15-24 Ja-F '61. (MIRA 14:6)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent  
AMN SSSR prof. N.A.Fedorov) Tsentral'nogo ordena Lenina instituta  
gematologii i perelivaniya krovi (dir. - deyatel'nyy chlen AMN  
SSSR prof. A.A.Bagdasarov) Ministerstva zdavookhraneniya SSSR.  
(HEMOPOIETIC SYSTEM) (GASTRIC JUICE)

KAKHETELIDZE, M.G.; MIKHAYLOVA, I.A. [deceased]; MALANINA, V.N.;  
MOSKALOVA, G.P. (Moskva)

Role of the pituitary body in hematopoiesis. Probl.endok. i  
gorm. no.1:14-21 '62. (MIRA 15:8)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent  
AMN SSSR prof. A.A. Bagdasarov).  
(HEMATOPOIETIC SYSTEM) (HYPOPHYSECTOMY)



FEDOROV, N.A.; KAKHETELIDZE, M.G.; NAMYATISHEVA, A.M.

Quantitative hemopoietin changes in the gastric juice of dogs following repeated bloodletting and blood transfusion. Biul. eksp. biol. i med. 53 no.5:28-32 My '62. (MIRA 15:7)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi Ministerstva zdravookhraneniya SSSR, Moskva.  
(BLOOD—TRANSFUSION) (BLOODLETTING)  
(GASTRIC JUICE)

MAKHETELIDZE, M.G.; MAKAROVA, Ye.M.

Change in the hemopoietin content of the blood serum following blood loss. Probl. gemat. i perel. krovi no.12: 50-53'62.

(MIRA 16:8)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N.A.Fedorov) Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor dotsent A.Ye. Kiselev) Ministertva zdravookhraneniya SSSR.  
(HEMOPOIETIC SYSTEM) (BLOODLETTING)

KAKHETELIDZE, M.G.

Hemoculture method for the quantitative determination of  
hemopoietins. Biul.eksp.biol.i med. 53 no.6:99-102 Je '62.

(MIRA 15:10)

1. Iz tsitologicheskoy laboratorii (zav. - prof. E.I.Terent'yeva)  
i patofiziologicheskoy laboratorii (zav. - chlen-korrespondent  
AMN SSSR prof. N.A.Fedorov) Tsentral'nogo ordena Lenina instituta  
gematologii i perelivaniya krovi Ministerstva zdravookhraneniya  
SSSR, Moskva. Predstavlena deystvitel'nyim chlenom AMN SSSR V.V.  
Parinym.

(HEMATOPOIETIN) (TISSUE CULTURE)

KAKHETELIDZE, M.G. (Moskva)

Hemopoetins; a review of experimental work. Pat. fiziol. i  
eksp. terap. 7 no.4:74-86 J1-Ag '63. (MIRA 17:9)

KAKHETELIDZE, M.G.; NAMYATYSHEVA, A.M.

Modified hematopoietic activity of the gastric juice following  
the interference between food and defense reflexes in cats.  
Pat. fiziol. i eksp. terap. 8 no.4:63-64 JI-Ag '64.

(MIRA 18:2)

1. Patofiziologicheskaya laboratoriya (zav.- doystvitel'nyy chlen  
AMN SSSR prof. N.A. Fedorov) Tsentral'nogo ordena Lenina instituta  
gematologii i perelivaniya krovi (dir.- dotsent A.Yu. Kiselev)  
Ministerstva zdravookhraneniya SSSR, Moskva.



FEDOROV, N.A.; KARNEFELIDZE, N.G.; MASKELEVA, G.P.

New data on the site of hemopoietin formation. Biol. eksp. biol.  
i med. 58 no.8:98-101 Ag '64. (MIRA 18:3)

1. Patofiziologicheskaya laboratoriya (zav. - deystvitel'nyy chlen  
AMN SSSR prof. N.A. Fedorov) Tsentral'nogo ordena Lenina Instituta  
gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Mi-  
nisterstva zdoravookhraneniya SSSR, Moskva.

KAKHETELIDZE, M.G.; CHERNTSOVA, T.A.; MOSKALEVA, G.P.; NIKOLAYEVA, N.V.

Hemopoietins in some diseases of the blood system. Probl. gemat.  
i perel. krovi 10 no.2:13-19 F '64. (MIRA 19:1)

1. Patofiziologicheskaya laboratoriya (zav. - deystvitel'nyy  
chlen AMN SSSR prof. N.A. Fedorov) i gematologicheskaya klinika  
(zav. - prof. M.S. Dul'tsin) Tsentral'nogo ordena Lenina insti-  
tuta gematologii i perelivaniya krovi (dir. - dotsent A.Ye.  
Kiselev) Ministerstva zdravookhraneniya SSSR, Moskva.



KAKHIANI, M.D.

Changes in the titration acidity (potential) of urine in case of functional cardiac insufficiency. Soob. AN Grus. SSR no. 5: 607-610 My '59. (MIRA 12:11)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno akademikom K.D. Eristavi.

(URINE--ANALYSIS AND PATHOLOGY)  
(HEART FAILURE)

David G., M.A., prof.; KAKHIANI, D., prof.

David Georgievich Kakhiiani; on his 70th birthday, 1894--  
Vest. khir. 93 no.12:125-126 D '64.

(MIRA 1845)

KAKHIANI, S.N.

Technic of extraperitoneal cystectomy and implantation of the  
ureters into the rectum in women. Khirurgiia no.9:10-13 S '54.  
(MLRA 7:12)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii  
(zav. prof. Sh.S.Tondze) Tbilisskogo instituta neovershenstvovaniya  
vrachey.

(BLADDER, surgery,  
cystectomy with implant of ureters into rectum in women)  
(URETERS, surgery,  
implant, rectum, in cystectomy in women)

KAKHIANI, S.N.

Arteries of the esophagus in the newborn. Soob. AN Gruz.  
SSR 15 no.5:295-301 '54, (MIRA 8:6)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy  
morfologii, Tbilisi. Predstavleno deystvitel'nym chlenom  
Akademii A.N.Natishvili.  
(Esophagus--Blood supply)

КАРДИО

USSR / Human and Animal Morphology (Normal and Pathological).  
Digestive System.

8

Abstr Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40721

Author : Kakhiashvili

Inst : Tbilisi Medical Institute

Title : On the Problem of Determination of the Length of the  
Small Intestine

Orig Pub : Tr. Kafedry operativn. khirurgii i topogr. anatomii.  
Tbilissk. med. in-t, 1956, 1, 61-65

Abstract : In order to attain the greatest possible accuracy in  
the measurement of the length of the small intestine,  
a preliminary fixation of the object is recommended,  
as well as measurement in situ with the help of a waxed  
string drawn downwards from the free limit of the  
intestine. It is advisable to make use in the deter-  
mination of the relative length of the intestine of the

Card 1/2

TOIDZE, Sh.S.; KAKHIANI, S.N.

Surgical significance of the variability of renal veins. Soob. AN  
Gruz. SSR 19 no.6:731-736 D '57. (MIRA 11:6)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavleno  
akademikom A.P. TSulukidze.  
(VEINS) (KIDNEYS--SURGERY)

KAKHIANI, S.N.; VINIDZE, TS.V., red. izd-va; KHUTSISHVILI, V.V., tekhn.  
red.

[Brachial plexus and its long rami; an anatomical study] Plechevbe  
spletenie i ego dlinnye vetvi; anatomicheskoe issledovanie. Tbilisi,  
Gos. izd-vo "Sabchota Sakartvelo," 1961. 209 p. (MIRA 15:7)  
(BRACHIAL PLEXUS)

KAKHIANI, V.V.; GAGULASHVILI, A.D.; TSANAVA, G.M.

Clinical aspects and treatment of a pelvic fracture. Comb.  
AN Gruz. SSR 30 no.3:367-372 1963. (MIRA 17:6)

1. Tbilisakiy gosudarstvennyy institut usovershenstvovaniya  
vrachey i Bol'nitsa skoroy pomoshchi, Tbilisi. Predstavleno  
akademikom K.D. Eristavi.



**KAKHIANI, Z.N.**, kandidat meditsinskikh nauk (Tbilisi ul. Klary Tsetkin, d.28)

Carcinogenic action of tobacco tars. Vop.onk. 1 no.3:96-100 '55.  
(MIRA 10:1)

1. Iz Instituta eksperimental'noy klinicheskoy khirurgii i gematologii  
AN SSSR (direktor - deyatvitel'nyy chlen AN SSSR zaslush. deyatel'  
nauki prof. K.D.Bristavi)

(CARCINOGENS, determination,  
in tobacco tars)

(TOBACCO,  
carcinogens in tars)

(TARS, carcinogens in tobacco tars)

DZHORBENADZE, A.V.; SHOTADZEM D.P.; KAKHIANI, Z.N.; TSINTSADZE, G.K.

Some complications in modern anesthesia. Trudy Tbil. GIDUV  
6:231-238 '62. (MIRA 16:2)

(ANESTHESIA—COMPLICATIONS AND SEQUELAE)

DZHOEBENADZE, A.V.; KAKHIANI, Z.N.

Morphological changes of internal organs in hypothermia; an  
experimental study. Trudy Tbil.GIDUV 6:109-117 '62. (MIRA 16:2)

(HYPOTHERMIA) (VISCERA—DISEASES)

KAKIASHVILI, D.S.; TESLYA, T.A.

Study of the contractile function of the myocardium in people of advanced age. Soob. AN Gruz. SSR 29 no.2:239-244 Ag '62. (MIRA 18:3)

1. Sukhumskaya II gorodskaya bol'nitsa imeni Shervashidze i Institut rentgenologii Ministerstva zdravookhraneniya RSFSR.  
Submitted June 27, 1961.

MUSKHELISHVILI, G.N.; LYUDVIGOV, R.B.; KAKHIDZE, G.P.

Electrodynamic valves used in Wilson chambers. Prib. i tekhn. eksp.  
no.3:104-105 N-D '56. (MLRA 10:2)

1. Institut fiziki AN GruzSSR.  
(Cloud chamber)

KAKHIDZE, G. P.

"New Valve System for the Wilson Cloud Chamber," by G. P. Kakhidze, R. B. Lyudvigov, and G. P. Kakhidze, Institute of Physics, Tbilisi, Academy of Sciences Georgian SSR, Soobshcheniye Akademii Nauk Gruzinskoy SSR, Vol 17, No 9, Sep 56, pp 785-788

This article criticizes valves currently used in Wilson cloud chambers. "They are either complex and operate unsatisfactorily or relatively simple and have other drawbacks." Among the disadvantages of electromagnetic valves their considerable lag and their effect on thermal stability are listed. Vacuum activated valves, "although they have a short time lag, are not practical for use in the stratosphere."

The article describes an "electrodynamic valve" developed by the authors. It claims that the valve is relatively simple, has a time lag of the order of  $10^{-4}$  seconds, and is free of the deficiencies enumerated above.

Construction details and a schematic diagram of an experimental model of the valve are given.

The valve's suitability for application in fluid hydrogen chambers is noted. (U)

Sum. 1345

GARIBASHVILI, D.I.; GRIGALASHVILI, T.S.; KAKHIDZE, G.P.; CHIKOVANI, G.Ye.;  
SHRABSHTEYN, S.A.

Multichannel pulse analyzer for an ionization calorimeter on  
capacitive memory cells and a system of information output.  
Fiz. chast. vys. energ. no.1:105-109 '65.

(MIRA 18:12)

BERGER, A.R.; GARIBASHVILI, D.I.; KAKHIDZE, G.P.; KAKAERIDZE, D.B.;  
CHIKOVANI, G.Ye.

Multichannel system for analyzing pulses from an ionization  
calorimeter. Fiz. chast. vys. energ. no.1:111-116 '65.  
(MIRA 18:12)



ACC NR: AT6025062

SOURCE CODE: UR/3204/65/000/001/0105/0109

AUTHOR: Garibashvili, D. I.; Grigalashvili, T. B.; Kakhidze, G. P.; Chikovani, G. Ye.;  
Shravshteyn, S. A.

ORG: none

TITLE: Multichannel pulse analyzer<sup>25</sup> for an ionization calorimeter using capacitive memory cells and an information readout system

SOURCE: AN GruzSSR. Institut fiziki. Fizika chastits vysokikh energii, no. 1, 1965, 105-109

TOPIC TAGS: multichannel analyzer, calorimeter, computer memory, data readout, ionization chamber

ABSTRACT: The authors describe a multichannel system intended for the memorization of information obtained from an ionization calorimeter and for printing out the output data in digital form. The multichannel analyzer is used with the ionization calorimeter of the Bakuriani High-Mountain Station of the Physics Institute of AN GruzSSR, which contains approximately one hundred ionization chambers. The ionization chamber records events in excess of a given threshold (amplitudes 0.1 - 100 v), which are then stored and printed. The memory system, the gating circuit, the pulse stretching system, and the auxiliary apparatus are described. The readout system consists of a timing pulse, master generator, selector switch, digital voltmeter, printer unit, and auxiliary equipment. The path of the signal from the ionization

Card 1/2

ACC NR: AT6025062

chamber to the printer is traced in detail. The authors thank senior scientist R. Ye. Kazarov and technicians A. I. Kongolidi, G. B. Stepanov, and P. V. Delavrov for help in the construction and adjustment of the apparatus. Orig. art. has: 4 figures.

SUB CODE: 20, 09/ SUBM DATE: 00/ ORIG REF: 001

Card 2/2

ACC NR: AT6025063

SOURCE CODE: UR/3204/65/000/001/0111/0116

AUTHOR: Berger, A. R.; Garibashvili, D. I.; Kakhidze, G. P.; Kakauridze, D. B.; Chikovani, G. Ye.

ORG: none

TITLE: Multichannel system for the <sup>25</sup>analysis of pulses from an ionization calorimeter

SOURCE: AN GruzSSR. Institut fiziki. Fizika chastits vysokikh energii, no. 1, 1965, 111-116

TOPIC TAGS: calorimeter, ionization chamber, multichannel analyzer, magnetic core storage, transistorized amplifier

ABSTRACT: The authors describe a multichannel system capable of reliably handling the signal from the approximately five hundred channels of the Tskhra-tskaro ionization calorimeter. To increase the reliability, the number of vacuum tubes has been reduced to a minimum of three per channel, which is approximately half that used in similar installations. Each channel consists of a preamplifier, final amplifier, gating circuit, and magnetic memory. All channels feed into a common commutator and regulating unit. The remaining circuit elements are transistors and magnetic core devices. The magnetic core devices are used in the memory. A block diagram of the system and detailed descriptions of the preamplifier, final amplifier, gating circuits, and memory cells are given. Orig. art. has: 5 figures and 1 formula.

SUB CODE: 20, 09/ SUBM DATE: 00

Card 1/1

BURDZHANADZE, O.I.; KAKHIDZE, G.V.

Some hemodynamic changes in a lung resection; an experimental study. Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 10:133-138 '62. (MIRA 1642)

(LUNGS—SURGERY)